

Special Issue

New Advances in Marine Derived Biomaterials: Recent Marine Peptides and Saccharides Research

Message from the Guest Editors

Thanks to the significant technological advances in biological assays, synthesis, detection and characterisation of biomimetic materials, as well as in the area of glycomics, an ever-increasing number of bioactive compounds is being isolated and discovered. These bioactive compounds, ranging from simple saccharides or peptides to complex biopolymers or drugs, have been extensively used for designing and developing a diverse range of functional and biologically responsive biomaterials for tissue regenerative therapy, with good cell interaction and minimal inflammatory responses. This Special Issue aims to cover recent research advances on marine-derived biomaterials and new approaches for the valorisation of marine biomass, focusing on the role of marine-derived saccharides and peptides in biological systems, the interactions between biomolecules and marine polysaccharide sequences, and the development of tailored, designed, smart, personalised biomaterials that can modulate cell regeneration and immune system responses.

Guest Editors

Dr. Amin Shavandi

3BIO-BioMatter Unit, École Polytechnique de Bruxelles, Université Libre de Bruxelles (ULB), 1050 Brussels, Belgium

Prof. Dr. Luigi Lay

Department of Chemistry, University of Milan, via Golgi 19, 20133 Milan, Italy

Deadline for manuscript submissions

closed (10 June 2020)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 4.4



mdpi.com/si/33838

Journal of Marine Science and Engineering

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

mdpi.com/journal/

[jmse](https://mdpi.com/journal/)





Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 4.4



[mdpi.com/journal/
jmse](https://mdpi.com/journal/jmse)



About the Journal

Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering (JMSE, ISSN 2077-1312)* is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

Oceans Graduate School and The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

Author Benefits

High Visibility:

indexed with Scopus, SCIE (Web of Science), GeoRef, Inspec, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Marine) / CiteScore - Q2 (Civil and Structural Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).